

10/564277

SEQUENCE LISTING

IAP20 Rec'd PCT/PTO 11 JAN 2006

<110> Develogen Aktiengesellschaft für entwicklungsbiolo

<120> Use of DG153 or DG177 secreted protein products for preventing and treating pancreatic diseases and/or obesity and/or metabolic syndrome

<130> 31130PWO WWHC

<140> PCT/EP2004/007531

<141> 2004-07-08

<150> EP03015883.6

<151> 2003-07-11

<150> EP03016710.0

<151> 2003-07-22

<160> 11

<170> PatentIn Ver. 2.1

<210> 1

<211> 1103

<212> DNA

<213> human

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<223> nucleotide sequence of human DG153 protein

<400> 1

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<210> 2

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<213> human

<220>

<223> amino acid sequence of human DG153 protein, longer
 variant

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 20 25 30

Cys Gly Ser Val Gly Arg Arg Arg Gln Arg Arg Arg Arg Arg Arg
 35 40 45

Arg Met Arg Arg Met Arg Arg Met Trp Ala Thr Gln Gly Leu Ala Val
 50 55 60

Arg Val Ala Leu Ser Val Leu Pro Gly Ser Arg Ala Leu Arg Pro Gly
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Asp Cys Glu Val Cys Ile Ser Tyr Leu Gly Arg Phe Tyr Gln Asp Leu
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Lys Asp Arg Asp Val Thr Phe Ser Pro Ala Thr Ile Glu Asn Glu Leu
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Ile Lys Phe Cys Arg Glu Ala Arg Gly Lys Glu Asn Arg Leu Cys Tyr
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Tyr Ile Gly Ala Thr Asp Asp Ala Ala Thr Lys Ile Ile Asn Glu Val
 130 135 140

Ser Lys Pro Leu Ala His His Ile Pro Val Glu Lys Ile Cys Glu Lys
 145 150 155 160

Leu Lys Lys Lys Asp Ser Gln Ile Cys Glu Leu Lys Tyr Asp Lys Gln
 165 170 175

Ile Asp Leu Ser Thr Val Asp Leu Lys Lys Leu Arg Val Lys Glu Leu
180 185 190

Lys Lys Ile Leu Asp Asp Trp Gly Glu Thr Cys Lys Gly Cys Ala Glu
195 200 205

Lys Ser Asp Tyr Ile Arg Lys Ile Asn Glu Leu Met Pro Lys Tyr Ala
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Pro Lys Ala Ala Ser Ala Pro Thr Asp Leu
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<210> 3

<211> 179

<212> PRT

<213> human

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<223> amino acid sequence of human DG153 protein,
shorter variant

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35 40 45

Ser Pro Ala Thr Ile Glu Asn Glu Leu Ile Lys Phe Cys Arg Glu Ala
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Arg Gly Lys Glu Asn Arg Leu Cys Tyr Tyr Ile Gly Ala Thr Asp Asp
65 70 75 80

Ala Ala Thr Lys Ile Ile Asn Glu Val Ser Lys Pro Leu Ala His His
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Ile Pro Val Glu Lys Ile Cys Glu Lys Leu Lys Lys Lys Asp Ser Gln
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Ile Cys Glu Leu Lys Tyr Asp Lys Gln Ile Asp Leu Ser Thr Val Asp
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Leu Lys Lys Leu Arg Val Lys Glu Leu Lys Lys Ile Leu Asp Asp Trp
 130 135 140

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<210> 4

<211> 3714

<212> DNA

<213> human

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<223> nucleotide sequence of human DG177 protein

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<211> 308

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<213> human

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35 40 45
Glu Pro Thr Cys Leu Cys Ile Glu Gln Cys Lys Pro His Lys Arg Pro
50 55 60
Val Cys Gly Ser Asn Gly Lys Thr Tyr Leu Asn His Cys Glu Leu His
65 70 75 80
Arg Asp Ala Cys Leu Thr Gly Ser Lys Ile Gln Val Asp Tyr Asp Gly
85 90 95
His Cys Lys Glu Lys Lys Ser Val Ser Pro Ser Ala Ser Pro Val Val
100 105 110
Cys Tyr Gln Ser Asn Arg Asp Glu Leu Arg Arg Arg Ile Ile Gln Trp
115 120 125
Leu Glu Ala Glu Ile Ile Pro Asp Gly Trp Phe Ser Lys Gly Ser Asn
130 135 140
Tyr Ser Glu Ile Leu Asp Lys Tyr Phe Lys Asn Phe Asp Asn Gly Asp
145 150 155 160
Ser Arg Leu Asp Ser Ser Glu Phe Leu Lys Phe Val Glu Gln Asn Glu
165 170 175
Thr Ala Ile Asn Ile Thr Thr Tyr Pro Asp Gln Glu Asn Asn Lys Leu
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Leu Arg Gly Leu Cys Val Asp Ala Leu Ile Glu Leu Ser Asp Glu Asn
195 200 205
Ala Asp Trp Lys Leu Ser Phe Gln Glu Phe Leu Lys Cys Leu Asn Pro
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Ser Phe Asn Pro Pro Glu Lys Lys Cys Ala Leu Glu Asp Glu Thr Tyr
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Ala Asp Gly Ala Glu Thr Glu Val Asp Cys Asn Arg Cys Val Cys Ala
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Cys Gly Asn Trp Val Cys Thr Ala Met Thr Cys Asp Gly Lys Asn Gln
260 265 270

Lys Gly Ala Gln Thr Gln Thr Glu Glu Glu Met Thr Arg Tyr Val Gln
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Thr Lys Glu Ile
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<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer

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<223> Description of Artificial Sequence: primer

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